

**NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)
ENVIRONMENTAL INFORMATION DOCUMENT CHECKLIST
DRINKING WATER PROJECTS
Water Management Division, EPA Region 4**

Initial Review _____
Final Review _____

Grant Applicant: _____
State: _____ County: _____

Grant Number: _____

Applicant Contact: _____ Phone: (____) _____
FAX: (____) _____
Consulting Engineer: _____ Phone: (____) _____
FAX: (____) _____

Current Population in Planning Area: _____

Permitted Capacity of Current Water Treatment Facility(s): _____

Capacity of Future (proposed) Water Treatment Facility(s): _____

Total Project Cost: _____

Eligible Project Cost: _____

EPA Grant Amount: _____

Other Federal or State Grants and Loans: _____

Has the checklist for Categorical Exclusion (CE) been completed?

Yes _____ No _____

If "Yes", does the Project qualify for a CE?

Yes _____ No _____

Has the checklist for Environmental Impact Statements (EIS) been completed?

Yes _____ No _____

If "Yes", is the Project recommended for an EIS?

Yes _____ No _____

If, based upon preliminary reviews, the Project does not qualify for a CE and information does not (yet) indicate that an EIS is warranted, then the Environmental Information Document should be reviewed using this checklist.

Environmental Information Document Review Project Name: _____	Location (page)	Adequate	Inadequate
1. Summary, Conclusions, Recommendations			
2. General			
2.1 Project Purpose and Need			
a. Water Source Problems			
b. Public Health Concerns			
c. Inadequate System or System Components			
d. Low System Pressure			
e. Other (specify _____)			
2.2 Description of Project			
a. Complete Proposed Project			
b. Eligible Portion of Project			
2.3 Planning Area Description (including a map)			
2.4 Project Name			
2.5 Owner and Operator of the Facilities			
2.6 Location of the Facilities			
3. Potable Water Quality (Existing & Proposed)			
3.1 Existing Potable Water Quality			
a. Coliform Bacteria			
b. Disinfection By-products			
c. Fluorides/Inorganic Chemicals			
d. Synthetic and Volatile Organic Compounds			
e. Lead and Copper			
f. Nitrate/Nitrite			
g. Radionuclides			
h. Public Health Hazard			

Environmental Information Document Review Project Name: _____	Location (page)	Adequate	Inadequate
i. Other (specify _____)			
3.2 Additional Potable Water Quality Requirements			
4. Existing Environment			
4.1 Existing Conditions in the Planning Area			
a. Public Health Problems due to Water Quality			
b. Water Quality Problems, Fish Kills, etc.			
c. Water Quantity Problems			
d. Water Source Problems			
e. Potential for Ground Water Contamination Under Direct Influence of Surface Water			
f. Delineation of Watershed and/or Aquifer that Constitutes Source			
g. Surface & Groundwater Hydrology			
h. Physiography, Topography, Geology & Soils			
i. Precipitation, Temperature, and Prevailing Winds			
j. Terrestrial and Aquatic Plants, Animals & Natural Communities			
k. Air Quality & Noise			
l. Energy Production & Consumption			
m. Population & Socioeconomic Conditions, including Minority & Low Income Areas (include Median Family Income)			
n. Land Use & Development			
o. Historic & Archaeological Properties			
p. Public Facilities & Services			
q. Related Federal, State & other Projects in Planning Area			
r. Other Public Water Systems in Area			
s. Private Well Systems in Area			
t. Wastewater Collection, Treatment & Disposal			

Environmental Information Document Review Project Name: _____	Location (page)	Adequate	Inadequate
4.2 Existing Water System			
a. Description of Treatment and Distribution System			
b. Water Flows: Average, Peak			
c. Surface Water Source (Intake Locations)			
d. Groundwater Source (Wells & Well Fields)			
e. Raw Water Storage			
f. Raw Water Characteristics			
g. Major Industrial Users			
h. Residuals (sludge) and Backwash Disposal			
i. Service Area			
4.3 Existing Treatment System Performance			
4.4 Leak Detection			
5. Future Conditions			
5.1 Planning Period			
5.2 Land Use Projections			
5.3 Population Forecast			
5.4 Industrial and Federal Facilities			
5.5 Flow Reduction			
5.6 Forecast of Flow			
5.7 Reserve Capacity			
5.8 Water Quality (Limits, TMDLs, etc.)			
5.9 Future Environment Without the Project			
6. Development of Alternatives			
6.1 No-action			
6.2 Flow Reduction & Water Conservation			
6.3 Optimum Performance of Existing Facilities			

Environmental Information Document Review Project Name: _____	Location (page)	Adequate	Inadequate
6.4 Regionalization and Decentralization			
6.5 Transmission/Distribution System Expansion			
6.6 Alternatives to Transmission/Distribution System Expansion			
a. On-site Filtration/Treatment Units			
b. Small or Cluster Systems			
c. Other (specify _____)			
6.7 Alternate Locations and Routes			
6.8 Surface Water Supply			
6.9 Groundwater Supply			
6.10 Conventional Treatment			
6.11 Residuals Management			
6.12 Leak Detection and Correction			
6.13 Identification of Principal Alternatives			
7. Evaluation of Principal Alternatives			
7.1 Monetary Evaluation			
a. Sunk Costs			
b. Capital Costs			
c. Operation & Maintenance Costs			
d. Present Worth			
e. Useful Life			
f. Escalation Factors for Energy & Land			
g. Interest During Construction			
h. Staging of Construction			
i. Multipurpose Projects			
j. User Rates (before and after project)			
7.2 Engineering Evaluation			

Environmental Information Document Review Project Name: _____	Location (page)	Adequate	Inadequate
a. Reliability			
b. Energy Use			
c. Wastewater Collection, Treatment & Disposal			
d. Revenue Generating Applications			
e. Open Space and Recreation			
f. Disinfection			
g. Process Complexity			
h. Residuals and Backwash Disposal			
i. Source Protection			
7.3 Environmental Impacts (see 4.1 & 8. for areas to be evaluated)			
a. Direct			
b. Indirect			
c. Mitigation			
7.4 Public Involvement			
a. Public Meeting			
b. Notice of Public Hearing			
c. Public Hearing			
d. Environmental Justice Considerations			
7.5 Implementability			
7.6 Plan Selection			
8. Cross-Cutting Environmental Laws and Sources Consulted			
8.1 Endangered Species Act			
8.2 National Historic Preservation Act			
8.3 Archeological and Historic Preservation Act			
8.4 Wild and Scenic Rivers Act			
8.5 Fish and Wildlife Coordination Act			

Environmental Information Document Review Project Name:	Location (page)	Adequate	Inadequate
8.6 Coastal Zone Management Act			
8.7 Coastal Barrier Resources Act			
8.8 Wilderness Act			
8.9 Farmland Protection Policy Act			
8.10 Clean Air Act			
8.11 Clean Water Act			
8.12 Protection of Wetlands - Executive Order			
8.13 Floodplain Management - Executive Order			
8.14 Environmental Justice - Executive Order			
9. Selected Plan Description			
9.1 Relevant Design Parameters			
a. Description of Major Unit Processes			
b. Flow Diagram			
c. Waterline Lengths, Sizes & Locations			
d. Finished Water Storage			
e. Basic Design Criteria			
9.2 Financial and Managerial Capability			
a. Capital Cost Information			
b. Operation & Maintenance Cost			
c. Financial Capability Demonstrations			
d. Capital Financing Plan			
e. Other Grants & Loans			
9.4 Necessary Permits (NPDES, 404, etc.) Issued			
9.5 Necessary Intermunicipal Agreements Executed			
9.6 Environmental Impacts			
a. Unavoidable Adverse Impacts			
b. Commitment of Resources			

Environmental Information Document Review Project Name: _____	Location (page)	Adequate	Inadequate
c. Mitigation of Unavoidable Impacts			
9.7 Environmental Justice Concerns & Issues			

This Project is recommended for:

- _____ Additional Information and Revision of the EID
- _____ Categorical Exclusion
- _____ Finding of No Significant Impact
- _____ Environmental Impact Statement

Signature of Reviewer: _____

Date: _____

REFERENCES: This Checklist is a compilation of the requirements set forth in 40 CFR Parts 6.3 and 6.5. Detailed explanations of these requirements can be found in Construction Grants 1985 (CG85) EPA 430/9-84-004, Chapters 3 through 8. These requirements were developed for wastewater projects and the Checklist has been adjusted for drinking water projects.

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